

MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



WEIGHT DISTRIBUTION

M-250T

BOOM NO. 44A WITH HEAVY LIFT TOP
MANITOWOC 18 X 8 CARRIER

COMPONENTS	WEIGHT DISTRIBUTION FOR TRAVELING									
	UPPER FACING REAR				TOTAL WEIGHT		UPPER FACING FRONT			
	FRONT AXLE GROUP		REAR AXLE GROUP				FRONT AXLE GROUP		REAR AXLE GROUP	
	LBS.	kg	LBS.	kg	LBS.	kg	LBS.	kg	LBS.	kg
CARRIER LESS OUTRIGGERS	54,541	24 739	26,019	11 802	80,560	36 541	54,541	24 739	26,019	11 802
BEARING TURNTABLE W/ BOLTS	3,238 57,779	1,469 26 208	4,392 30,411	1 992 13 794	7,630 88,190	3 461 40 002	3,238 57,779	1 469 26 208	4,392 30,411	1 992 13 794
UPPERWORKS FRONT MODULE	5,859 63,638	2 658 28 866	10,076 40,487	4 570 18 365	15,935 104,125	7 228 47 230	7,665 65,445	3 477 29 685	8,270 38,680	3 751 17 545
12' (3.7m) BOOM BUTT W/ CYL	249 63,887	113 28 979	5,526 46,013	2 507 20 871	5,775 109,900	2 619 49 850	4,652 70,097	2 110 31 795	1,123 39,803	509 18 054
UPPERWORKS REAR MODULE	33,561 97,448	15 223 44 202	17,434 63,447	7 908 28 779	50,995 160,895	23 131 72 981	9,720 79,817	4 409 36 204	41,275 81,078	18 722 36 776
ROTATING BED PRE-ALIGNMENT	960 98,407	435 44 637	290 63,737	132 28 911	1,250 162,145	567 73 548	101 79,918	46 36 250	1,149 82,227	521 37 298
BOOM HINGE PIN PULLER	96 98,504	44 44 681	334 64,071	151 29 062	430 162,575	195 73 743	268 80,186	122 36 372	162 82,389	73 37 371
BUTT CYLINDER SUPPORT	49 98,553	22 44 703	176 64,247	80 29 142	225 162,800	102 73 845	142 80,328	64 36 436	83 82,472	38 37 409
LUFFING JIB DRUM	532 99,085	241 44 944	2,533 66,779	1 149 30 290	3,065 165,865	1 390 75 235	2,069 82,397	938 37 375	996 83,468	452 37 860
UPPERWORKS JACKING - FRONT	2,041 101,126	926 45 870	1,559 68,339	707 30 998	3,600 169,465	1 633 76 868	1,014 83,411	460 37 835	2,586 86,053	1 173 39 033
UPPERWORKS JACKING - REAR	2,769 103,895	1 256 47 126	706 69,044	320 31 318	3,475 172,940	1 576 78 444	180 83,591	82 37 916	3,295 89,348	1 495 40 528
28' (8 534 mm) GANTRY UP	12,015 115,911	5 450 52 576	2,455 71,499	1 114 32 431	14,470 187,410	6 563 85 008	265 83,857	120 38 037	14,205 103,553	6 443 46 971
975' (297m) BOOM HOIST	1,553 117,464	704 53 281	252 71,751	114 32 546	1,805 189,215	819 85 826	-21 83,836	-10 38 027	1,826 105,379	828 47 799
2,275' (693m) HOIST LINE	3,168 120,631	1 437 54 717	2,157 73,908	978 33 524	5,325 194,540	2 415 88 242	1,352 85,187	613 38 640	3,973 109,352	1 802 49 601
1,270' (387m) WHIP LINE	1,767 122,398	801 55 519	1,203 75,111	546 34 070	2,970 197,510	1 347 89 589	754 85,941	342 38 982	2,216 111,568	1 005 50 606
1,200' (366m) LUFF HST LINE	296 122,694	134 55 653	1,409 76,520	639 34 709	1,705 199,215	773 90 362	1,151 87,092	522 39 504	554 112,122	251 50 858
OUTRIGGERS	20,199 142,894	9 162 64 816	27,401 103,921	12 429 47 138	47,600 246,815	21 591 111 953	20,199 107,292	9 162 48 667	27,401 139,523	12 429 63 287
COUNTERWEIGHT	124,833 267,727	56 623 121 439	-1,678 102,243	-761 46 377	123,155 369,970	55 862 167 816				
70' (21.3m) BOOM-HORIZONTAL	-32,635 235,092	-14 803 106 636	59,320 161,562	26 907 73 283	26,685 396,655	12 104 179 920				